

# King County DNRP Water Quality Index

STATION **A320** WATER YEAR **2014**

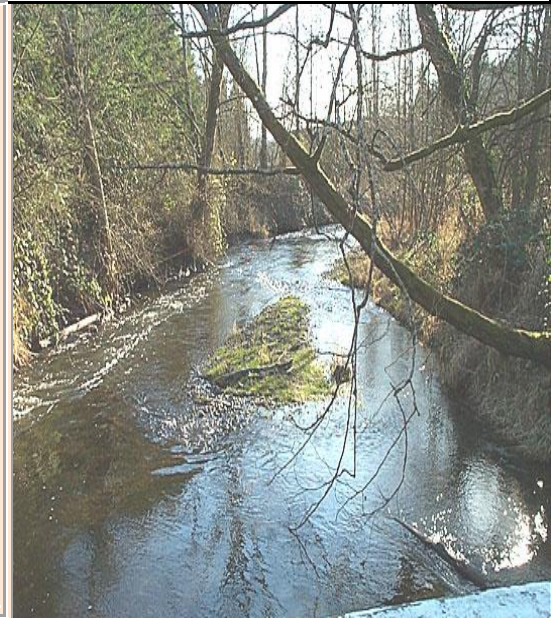
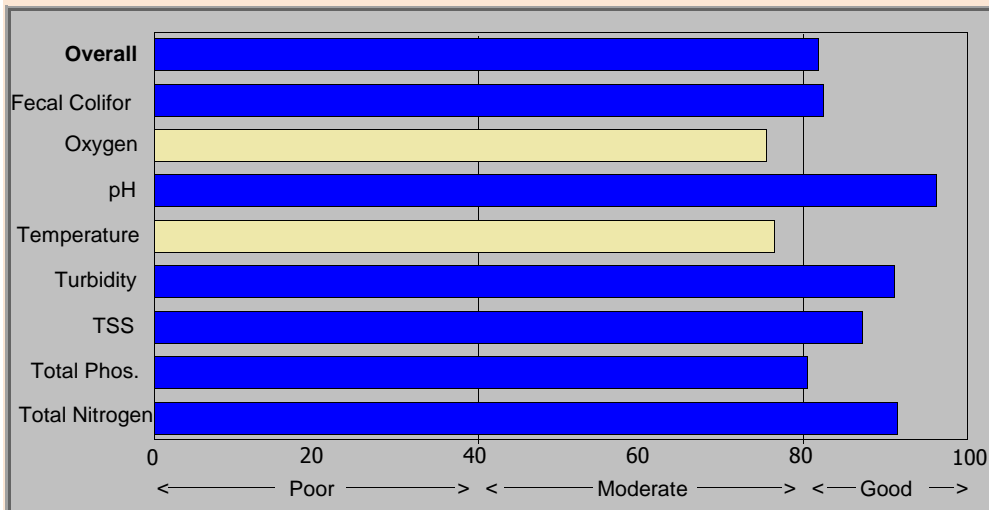
**GAUGE # 54a Soos Creek at Mouth**

**Overall Index 82**

King County monitors water quality on Soos Creek at four locations. Station A320 is located at the USGS gaging station roughly 300 feet upstream of the hatchery near the mouth of the creek. Monitoring at this site began in 1972 and continues today. The Soos Creek basin encompasses 44,800 acres east of the City of Kent and drains into the Green River. The creek system contains 60 miles of stream, including 4 main tributaries – Covington Creek, Jenkins Creek, Little Soos Creek, and Soosette. The Soos Creek basin is an extensive system of interacting lakes, wetlands and permeable soils that collectively attenuate peak stream flows. However, increasing urban development, particularly in the western half of the basin, has led to increasing water temperature and more dramatic seasonal flow fluctuations. All five species of Pacific Salmon as well as steelhead and coastal cutthroat trout have been observed in the Soos Creek basin.

## Annual Water Quality Index Scores

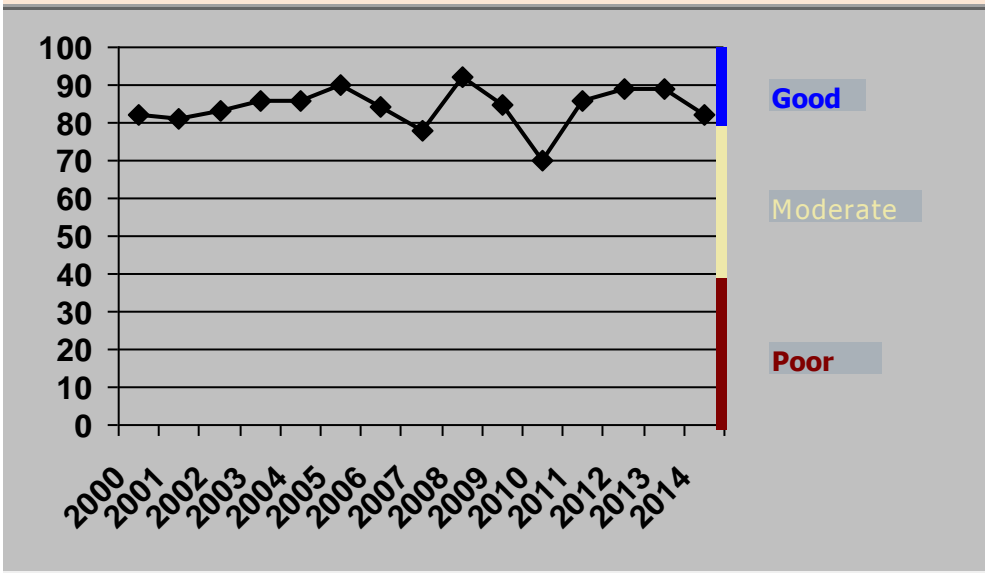
Water quality was GOOD based on data collected 10/1/2013 to 9/30/2014.



## Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
94	94	97	97	92	79	93	91	88	88	81	86

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>